

## Transportation Idea Exchange Meeting

FEDERAL HIGHWAY ADMINISTRATION | UTAH DEPARTMENT OF TRANSPORTATION CITY OF TAYLORSVILLE

OCTOBER 2010

# **Agenda**



**Meeting Overview** 

Where We Are

Purpose and Need

**Alternatives** 

**Next Steps** 



## Where We Are

### PHASE 1

**PREVIOUS STUDIES** 

2009 & Prior

**SCOPING** 

Spring 2010

TRAFFIC ANALYSIS

Spring & Summer 2010

**PURPOSE & NEED** 

Late Summer 2010

ALTERNATIVES
Fall 2010

**60 IDEAS** 

Public Input Other Agencies Past Studies Study Team **39 ALTERNATIVES** 

First Screening
Meets Purpose and Need

**22 ALTERNATIVES** 

Second Screening
Alternatives Comparison

- Operational Performance
- Design Features
- Environmental Considerations

**7 ALTERNATIVES** 

Spring 2010 Fall 2010



# **How We Use Public Input**



### **Received 71 Scoping Comments**

- Transportation concerns and issues
- Suggestions for solutions
- How you might be affected by solutions

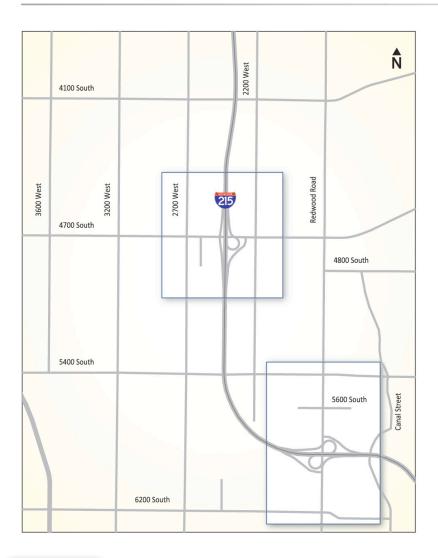
Helped us develop 60 improvement ideas

We will continue to take comments for consideration if the study process continues

There will be specific opportunities to comment if the study process continues



# **Purpose and Need**



The purpose of transportation improvements is to increase the capacity to access I-215 in the study area and, specifically, to reduce congestion on 4700 South and Redwood Road around the I-215 interchanges.



# **Alternatives Screening**

#### **60 IDEAS**

Public Input Other Agencies Past Studies Study Team

### **39 ALTERNATIVES**

First Screening
Meets Purpose and Need

### **22 ALTERNATIVES**

**Second Screening** 

**Alternatives Comparison** 

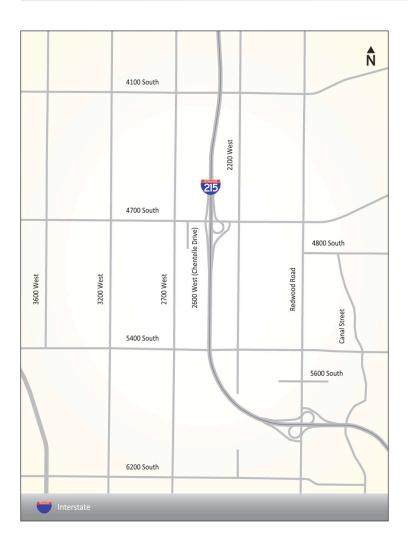
- Operational Performance
- Design Features
- Environmental Considerations

**7 ALTERNATIVES** 

Spring 2010 Fall 2010



### **Alternative 1**

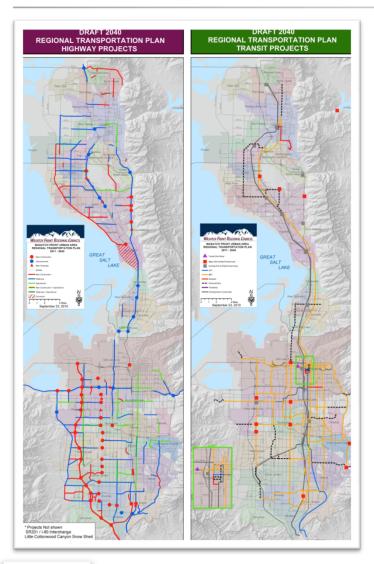


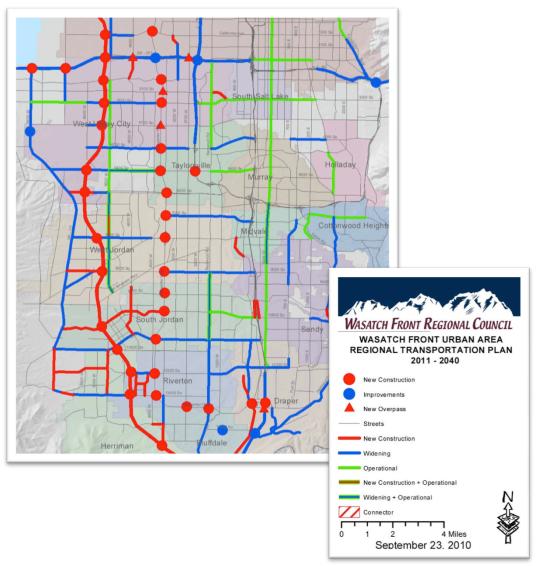
### No Build

▶ Do not build any improvements beyond the current construction projects and the highway and transit improvements already included in the Wasatch Front Regional Council's 2040 Regional Transportation Plan.



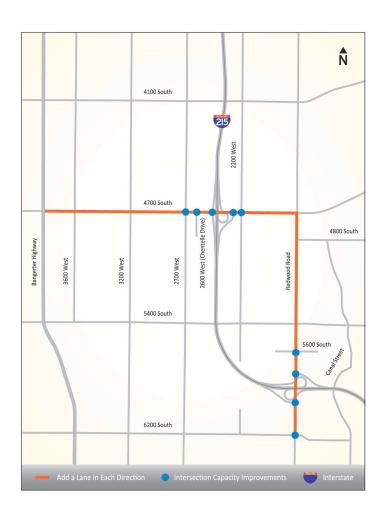
# WFRC Regional Transportation Plan







## **Alternative 4**

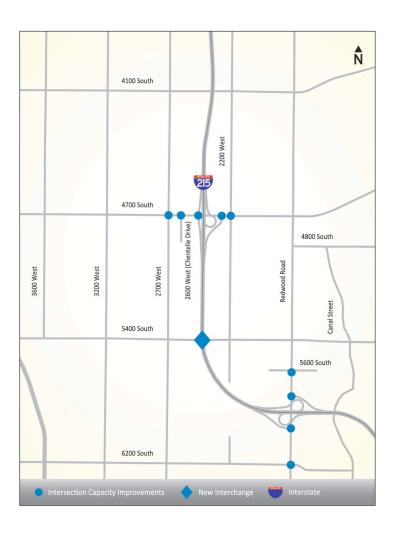


### **Widening & Intersection Improvements**

- Widen 4700 South from Bangerter Highway to Redwood Road by adding a through lane in each direction.
- Improve signalized intersections on 4700 South from 2700 West to 2200 West.
- Widen Redwood Road from 4700 South to 6200 South by adding a through lane in each direction.
- Improve signalized intersections on Redwood Road from 6200 South to 5600 South.



## **Alternative 7-3**

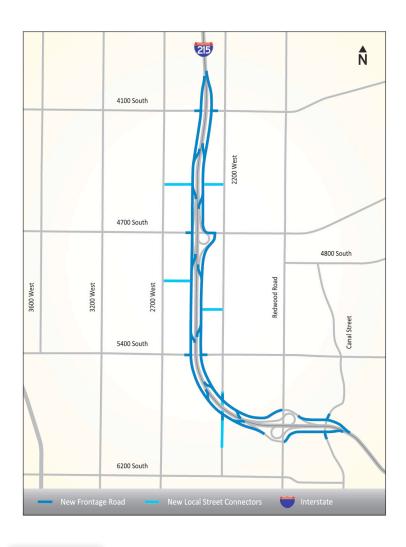


# New Interchange & Intersection Improvements

- **▶** Build a new interchange at 5400 South and I-215.
- Improve signalized intersections on 4700 South from 2700 West to 2200 West.
- ► Improve signalized intersections on Redwood Road from 5600 South to 6200 South.



## **Alternative 8-3**

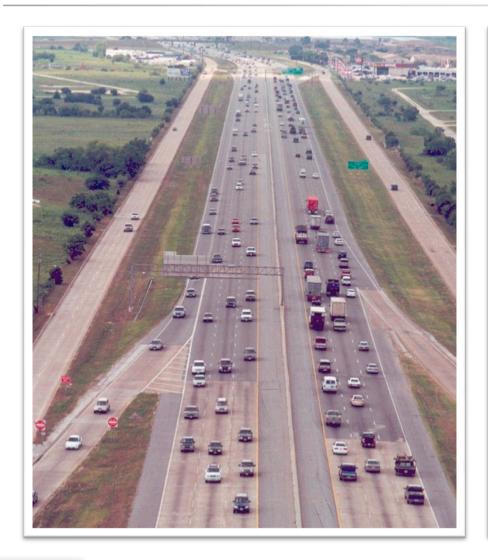


# Frontage Road From 4100 South to Redwood Road

- ▶ Build a one-way, ground-level frontage road along each side of I-215 from 4100 South to Redwood Road.
- Construct additional streets to provide direct access to the frontage road from various locations along 2700 West and 2200 West.



# **Frontage Road Examples**







## **Alternative 8-4**

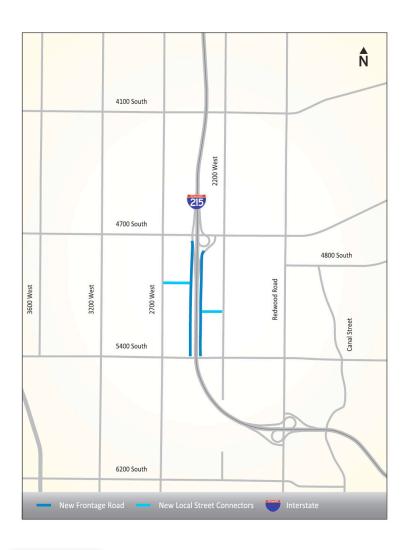


# Frontage Road From 4700 South to Redwood Road

- ▶ Build a one-way, ground-level frontage road along each side of I-215 between 4700 South and Redwood Road.
- Construct additional streets to provide direct access to the frontage road from various locations along 2700 West and 2200 West.



## **Alternative 9-1**



# Frontage Road From 4700 South to 5400 South

- Build a one-way, ground-level frontage road along each side of I-215 between 4700 South to 5400 South.
- Construct additional streets to provide direct access to the frontage road from various locations along 2700 West and 2200 West.



## **Alternative 9-2**



### **Extend I-215 Off-Ramps**

- ► Extend existing I-215 off-ramps at 4700 South and Redwood Road to provide additional access to local streets from the ramps.
- For example, from the 4700 South southbound I-215 off ramp, access would be available to 2700 West prior to reaching 4700 South.



# **Next Steps**

### PHASE 2 (IF INITIATED)

FINAL DRAFT **RECORD OF ENVIRONMENTAL ENVIRONMENTAL ALTERNATIVES DECISION IMPACT STATEMENT IMPACT STATEMENT** 18 - 24 Months **7 ALTERNATIVES** 2-3 ALTERNATIVES **EIS DOCUMENT PREFERRED ALTERNATIVE** Impact Analysis Performance Comparisons Third Screening Operational Analysis Operational Performance Performance Comparisons Design Features Operational Performance Environmental Considerations Design Features Public Input • Environmental Considerations Public Input



# **Public Open House**



**Tomorrow** 

Vista Elementary School (4925 South 2200 West)

5:30 - 7:30 p.m.



### **More Information**



Website: udot.utah.gov/5400southstudy

Phone: 801-930-0470

Email: 5400southstudy@utah.gov





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